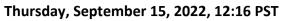
## **Daily Space Weather Summary (SUPARCO)**





								SUPARCU
		LOC	AL CURRENT	IONOSPHERIC	CONDITIONS (S	SON)		
Critical Frequency of F2 layer (foF2)				10.6 MHz				
Virtual Height of F2 layer (h`F2) Total Electron Content (TEC)				285 km 38 TECU				
Distance (Km)	100	200	400	600	800	1000	1500	3000
MUF (MHz)	10.8	11.2	12.7	14.7	17.0	19.4	24.7	29.3
FOT (MHz)	9.2	9.5	10.8	12.5	14.5	16.5	21.0	24.9
Local HF con	ditions are er	nhanced as cor	npared to the	predicted mont	hly median MUF			
			LOCAL GE	OMAGNETIC (	CONDITIONS			
K-index				0 (Quiet)				
Total Field (F) (Son/Isb)				45568/50078 nT				
The local geo	magnetic fie	ld is quiet at tl	ne moment.	1				
			LATES	ST SOLAR CON	DITIONS			
Sunspot Number (SN)				57				
Solar radio flux (F10.7)				144 sfu				
Solar wind speed				329.9 km/sec (varied in the past 24 hrs between 285 & 540 km/s)				
Solar x-ray flares				C6.2 (max flare in the past 24 hrs: (M1, 1019 UT)				
Interplanetary Magnetic Field (IMF) Total Field (Bt) Z Component of Field (Bz)				13.0 nT (varied in the past 12 hrs between 6.1 nT & 15.9 nT) 11.2 nT (varied in the past 12 hrs between -4.5 nT & 13.6 nT)				
Solar condition	ons are at lov	w to moderate	levels with ba	ckground X-ray	flux at C-class le	vel.		

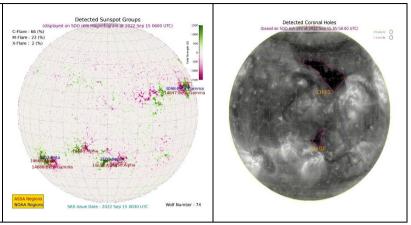
Sonmiani (SON): 25.2º N, 66.75º E, Islamabad (ISB): 33.7º N, 73.13º E

Notes: Credits: www.spaceweather.go.kr,www.sws.bom.gov.au,www.spaceweather.com,www.solen.info

## Daily Sun: 15 September 2022

There is one active region AR3098 present on the Sun capable of producing strong C and M-class solar flares having chances of 66% and 23% respectively.

02 Coronal Holes (CHs) are detected on the solar disk.



## **DISCUSSION:**

Solar activity is expected to remain at low to moderate levels. In case of solar flares, minor to moderate radio blackouts are possible. Low solar wind speed and quiet geomagnetic activity is expected. HF conditions are enhanced.